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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,522	06/09/2006	Hansson Birger	05822.0324USWO	3588

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MINNEAPOLIS, MN 55402-0903

EXAMINER

NGUYEN, ANTHONY H

ART UNIT	PAPER NUMBER
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2854

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/12/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No. 10/537,522	Applicant(s) BIRGER, HANSSON	
	Examiner Anthony H. Nguyen	Art Unit 2854	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>06/03/2005</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

Claims 1-4 are objected to because the external means for preventing sliding tangential movement between the bobbin and the cloth (claim 1 lines 4 and 5) appears not to be support by the specification. Additionally, it is unclear which element that the word "it" (claim 1 line 3) is referred to. The elements "shaft" (claim 1 line 3) and "longitudinal grooves" (claim 2 line 3) are inferentially recited. There is no proper antecedent basis for "the shaft" (claim 2 line 3).

The above are simply examples of the errors present. Applicant is required to carefully review the claims and eliminate all such errors.

To the extent the claims are positively recite structure, it appears that the following prior art rejection is proper.

Claim Rejections - 35 U.S.C. § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Hara et al. (US 6,823,789).

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With respect to claim 1, Hara et al. teaches a bobbin structure which meets the structure as broadly recited. For example, Hara et al. teaches a bobbin 200 which includes an internal means 202 for locking the bobbin to the roller or shaft 6 via a groove 160 for securing a cleaning cloth 3 to the bobbin as shown in Fig.82 of Hara et al. With respect to claim 2, Fig.82 of Hara et al. shows the bobbin 200 which includes an internal, longitudinal projections 202 and 203 that cooperate with the groove 160 in the roller or shaft 6.

Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Schmutz (DE 10018425).

With respect to claim 1, Schmutz teaches a bobbin 4 which includes an internal means 18, 6 for locking the bobbin to a shaft 14 for securing a cleaning cloth to the bobbin as shown in Figs.1,4 and 6 of Schmutz. With respect to claim 2, Fig.2 of Schmutz shows the bobbin 4 which includes an internal, longitudinal projections 10 that cooperate with the grooves 6 and 26 of the shaft.

Claim Rejections - 35 U.S.C. § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3 and 4 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over Hara et al. (US 6,823,789) in view of Marass et al. (US 3,735,702).

With respect to claim 4, Hara et al. teaches a bobbin structure having substantially the structure as recited. Hara et al. does not teach the bobbin which is made of plastic material. Marass et al. teaches a cleaning device having the bobbin which is made of plastic material (Marass et al., col.4 lines 65-68). In view of the teaching of Marass et al., it would have been obvious to one of ordinary skill in the art to modify the bobbin of Hara et al. by providing the plastic bobbin as taught by Marass et al. to simplify the manufacturing process.

With respect to claim 3, the selection of a desired process such as embossing over at least a part of the bobbin surface would be obvious through routine experimentation in order to get the desired depth over the surface of the bobbin since the process is dependent on the material which is used for manufacturing the bobbin.

Conclusion

The patents to Ruschkowski, Kaim, Schmutz, Claassen and Iwamoto are cited to show other structures having obvious similarities to the claimed structure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Nguyen whose telephone number is (571) 272-2169. The examiner can normally be reached daily from 9 AM to 5 PM.

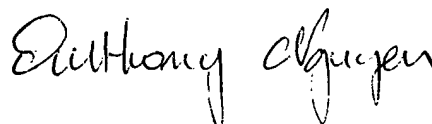
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen, can be reached on (571) 272-2258.

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The fax phone number for this Group is (571) 273-8300.

A handwritten signature in black ink, appearing to read "Anthony Nguyen". The signature is fluid and cursive, with the first name "Anthony" and the last name "Nguyen" clearly distinguishable.

Anthony Nguyen

01/08/07

Patent Examiner

Technology Center 2800